	Application No.	Applicant(s)
Notice of Allowability	10/017,910 Examiner	CHOI ET AL.
	David S. Romeo	1647
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communica GHTS. This application is subje	application. If not included tion will be mailed in due course. THIS
1. This communication is responsive to <u>04/07/2005</u> .		
2. The allowed claim(s) is/are <u>10-15,65 and 67-71</u> .		
3. The drawings filed on are accepted by the Examiner.		
4.		
 each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 		
Attachment(s) 1. □ Notice of References Cited (PTO-892)	5 🗆 Notice of Inform	al Patent Application (PTO-152)
 Notice of References Cited (P10-892) Divide of Draftperson's Patent Drawing Review (PT0-948) 	6. ☐ Interview Summ	,, , , , ,
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Mail	Date
Paper No./Mail Date4. Examiner's Comment Regarding Requirement for Deposit	8. ⊠ Examiner's State	ement of Reasons for Allowance
of Biological Material	9. Other	
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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Quang Nguyen on June 9, 2005.

The application has been amended as follows:

IN THE SPECIFICATION:

In the preliminary amendment filed 07/08/2004, line 4, delete "all of which claim" and insert --which claims--.

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The following is an examiner's statement of reasons for allowance: The present application makes a distinction between antibodies that cross-react to different forms of TRANCE and antibodies that are specific for a single form of TRANCE (paragraph bridging pages 45-46). Thus, the claimed antibodies bind only TRANCE that comprises the amino acid sequence of SEQ ID NO: 2 and do not bind to any other form of TRANCE that does not comprise the amino acid sequence of SEQ ID NO: 2.

Application/Control Number: 10/017,910

Art Unit: 1647

Anderson (U. S. Patent No. 6,017,729) discloses human Receptor activator of nuclear factor kappa B ligand (RANKL), which is 99.5% identical to the present application's SEQ ID NO: 2, as indicated below (Qy = the present application's SEQ ID NO: 2) (Db = human RANKL):

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       INFORMATION FOR SEQ ID NO:
         SEQUENCE CHARACTERISTICS:
          LENGTH: 317 amino acids
          TYPE: amino acid
          TOPOLOGY: linear
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        MOLECULE TYPE: protein
     US-08-996-139-13
      Query Match
                                Score 1293; DB 3; Length 317;
                         99.5%;
      Best Local Similarity 99.6%; Pred. No. 1.3e-137;
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      Matches 244; Conservative
                               0; Mismatches
                                                Indels
              1 QMDPNRISEDGTHCIYRILRLHENADFQDTTLESQDTKLIPDSCRRIKQAFQGAVQKELQ 60
     Qу
                Db
                OMDPNRISEDGTHCIYRILRLHENADFODTTLESODTKLIPDSCRRIKOAFOGAVOKELO 132
20
     Qу
             61 HIVGSQHIRAEKAMVDGSWLDLAKRSKLEAQPFAHLTINATDIPSGSHKVSLSSWYHDRG 120
                DЪ
             133 HIVGSQHIRAEKAMVDGSWLDLAKRSKLEAQPFAHLTINATDIPSGSHKVSLSSWYHDRG 192
25
     Qу
             121 WGKISNMTFSNGKLIVNQDGFYYLYANICFRHHETSGDLATEYLQLMVYVTKTSIKIPSS 180
                Db
             193 WAKISNMTFSNGKLIVNQDGFYYLYANICFRHHETSGDLATEYLQLMVYVTKTSIKIPSS 252
             181 HTLMKGGSTKYWSGNSEFHFYSINVGGFFKLRSGEEISIEVSNPSLLDPDQDATYFGAFK 240
     Qу
30
                253 HTLMKGGSTKYWSGNSEFHFYSINVGGFFKLRSGEEISIEVSNPSLLDPDQDATYFGAFK 312
     DЪ
             241 VRDID 245
     Οv
                | | | | |
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             313 VRDID 317.
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See Example 8.

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Anderson also discloses monoclonal antibodies against RANKL and their use in an ELISA (Example 10). However, Anderson does not teach or suggest an antibody that is specific for a single form of TRANCE, wherein said TRANCE comprises the amino acid sequence of SEQ ID NO: 2, and wherein said antibody does not bind to any other form of TRANCE.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

Art Unit: 1647

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

ANY INQUIRY CONCERNING THIS COMMUNICATION OR EARLIER COMMUNICATIONS FROM THE EXAMINER SHOULD BE DIRECTED TO DAVID S. ROMEO WHOSE TELEPHONE NUMBER IS (571) 272-0890. THE EXAMINER CAN NORMALLY BE REACHED ON MONDAY THROUGH FRIDAY FROM 7:30 A.M. TO 4:00 P.M. IF ATTEMPTS TO REACH THE EXAMINER BY TELEPHONE ARE UNSUCCESSFUL, THE EXAMINER'S SUPERVISOR, BRENDA BRUMBACK, CAN BE REACHED ON (571) 272-0961.

IF SUBMITTING OFFICIAL CORRESPONDENCE BY FAX, APPLICANTS ARE ENCOURAGED TO SUBMIT OFFICIAL CORRESPONDENCE TO THE CENTRAL FAX NUMBER FOR OFFICIAL CORRESPONDENCE, WHICH IS (571) 273-8300.

CUSTOMERS ARE ALSO ADVISED TO USE CERTIFICATE OF FACSIMILE PROCEDURES WHEN SUBMITTING A REPLY TO A NON-FINAL OR FINAL OFFICE ACTION BY FACSIMILE (SEE 37 CFR 1.6 AND 1.8).

FAXED DRAFT OR INFORMAL COMMUNICATIONS SHOULD BE DIRECTED TO THE EXAMINER AT (571) 273-0890.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0196.

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James Rome

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PRIMARY EXAMINER
ART UNIT 1647

DSR JUNE 8, 2005